


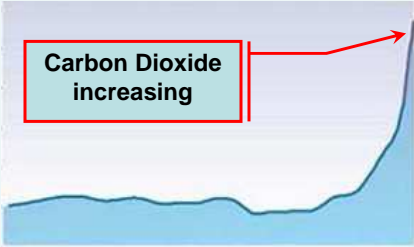
SOLPOGY™
Solar Power Technology

Concentrated Solar Power (CSP)
the *Other* solar

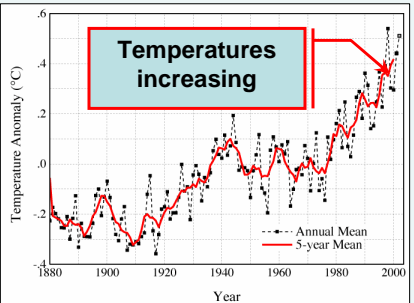
John N. Rei – COO
jrei@sopogy.com
www.sopogy.com




Global Problem



Carbon Dioxide increasing



Temperatures increasing

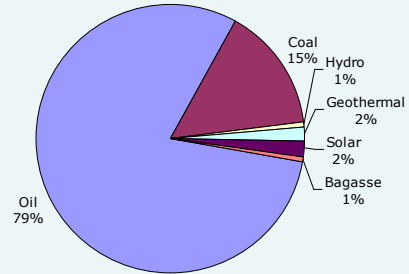


Hawaii's Oil Addiction

- Jan 02 = \$18/barrel
- April 06 = \$75.17/barrel

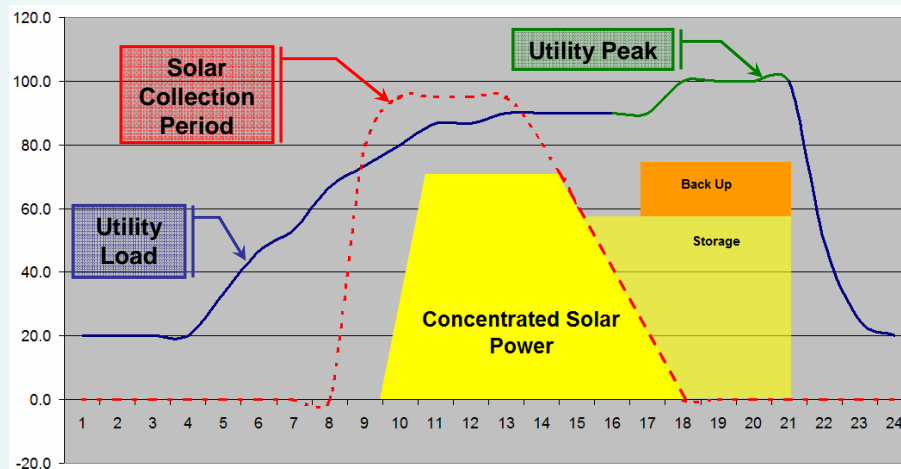


Hawaii's Energy Sources



- 79% of Hawaii's electricity is generated by oil
- 90% of electricity in Oceania & Australia is also generated by oil

CSP = Energy Solution



Unique renewable advantage



Traditional CSP

- Wind rating 45 MPH
- Desert - 2,100 ft. ele.
- Temps: 900° F
- Size: 30-100MW

- Open face metal
- Receiver tube
- 15 Feet High
- 20 Feet Wide



Sopogy's Technology

High Performance

- Optically maximized for high efficiencies
- Proprietary design preserves life of system components

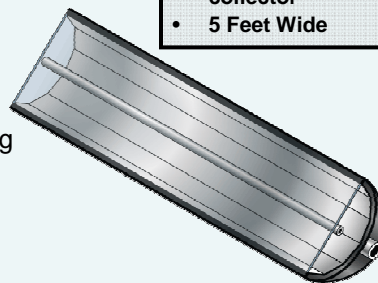
Low first cost

- Designed to manufacture with lighting equipment
- No new manufacturing needed
- Efficient shipping and assembly

Outstanding Durability

- Metal and glass hardware
- Storm storage
- Component replacement not system overhaul

- Enclosed housing
- All parts inside collector
- 5 Feet Wide



SopoNova™ 1.6

Patent Pending All Rights Reserved

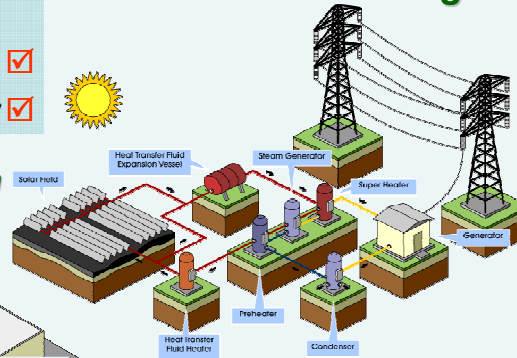
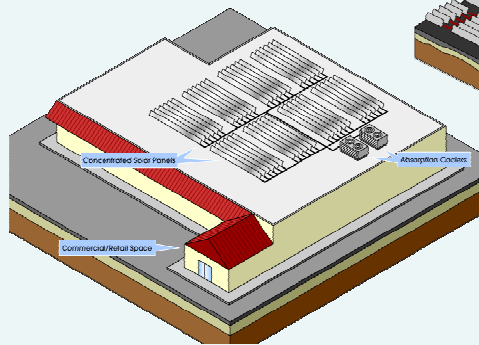
Sopogy Advantage

Primary uses:

- Solar A/C** ☒
- Solar Electricity** ☒

Solar Farming

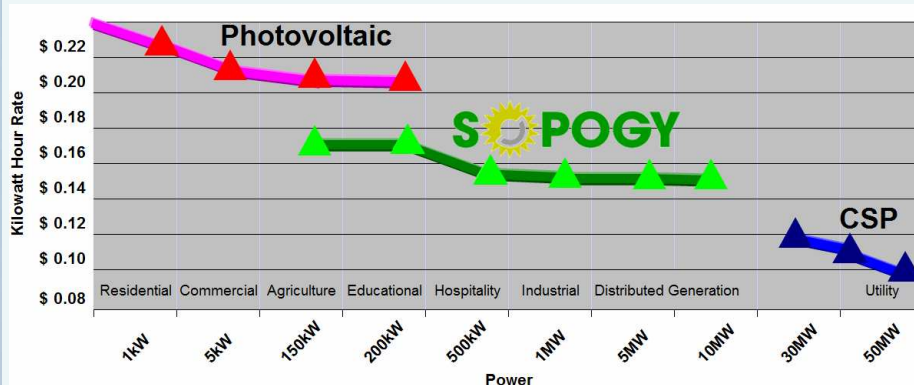
Roof-Top Installation



Other Uses:

- Process Heat** ☒
- Drinking Water** ☒
- Hot Water** ☒

Market





Technology	Hawaii*	Maui**	Oahu	Kauai	Totals
Supply-Side					
Windfarms	20 to 30 (30)	20 to 35 (20)	50 to 100 (50)	5 to 10 (10)	95 to 175 (110)
Parabolic Trough	0 to 30 (0)	0 to 30 (0)	0 to 50 (0)	0 to 10 (0)	0 to 120 (0)
PV	0 to 5 (0)	0 to 10 (0)	0 to 10 (0)	0 to 5 (0)	0 to 30 (0)
Biomass	8 to 21 (8)	13 to 43 (15)	10 to 20 (10)	9 to 31 (9)	40 to 115 (42)
Demand-Side					
Solar Hot Water	1.6	1.7	5.6	0.3	9.2 (9)
PV	0.15	0.15	1.0	0.1	1.4 (1)
Totals	30 to 88 (40)	35 to 120 (37)	67 to 187 (67)	14 to 56 (19)	145 to 450 (162)

Notes:

* = numbers in the parentheses are the values for 9 selected projects and commercial activities.

** = including Molokai and Lanai.

Table 1. Potential Renewable Capacity Additions (2003 to 2008)

Questions?